Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 1449B	/PTO	Complete if Known			
	INFORMATION	DISCLO	SURE	Application Number	10/720,135	OF	
	STATEMENT E	Y APPL	ICANT	Filing Date	11/25/2003	10 40	
	Date Submitted: April 12, 2006			First Named Inventor	Ryouichi OCHI, et al.	٠٠٠ (١٠)	
•	Date Submitted	i: Apni 12	2, 2006	Group Art Unit	2601 2609	- 1.2 7006 u	
(use as many <mark>sh</mark> e	ets as ne	ecessary)	Examiner Name	Unassigned /Rashee	dat Holetowo/	
Sheet 1 of 1		Attorney Docket Number	071671-0172	12 0			
						To mediated	

U.S. PATENT DOCUMENTS									
	Cite No.1	U.S. Patent D	ocument		Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
Examiner Initials*		Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY				
/R.K./	B1	6,226,361	B1	KOYAMA	05-01-2001	379/88.07			
R.K./	B2	2003/0179745	A1	TSUTSUMI et al.	09-25-2003	370/352			
			 						

U.S. PATENT APPLICATION DOCUMENTS							
Examiner	Cite No.1	U.S. Patent Application Document		Name of Patentee or Applicant of	Filing Date of	Pages, Columns, Lines, Where Relevant	
Initials*		Serial Number	Kind Code ² (if known)	Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Offic	Foreign Patent De	ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ [®]
/R.K./	В3	JP	03-038699		SHARP CORPORATION	02-19-1991	704/205	Abst.
	B4	JP	07-272447		TOPPAN PRINTING CO LTD.	10-20-1995	G11B-027/02	4Abst.
	B 5	JP	09-120295		TOSHIBA CORPORATION	05-06-1997	G10L003	Abst.
	B6	JP	10-097280		HITACHI LTD.	04-14-1998	G06F003/16	Abst.
	B7	JP	10-285275		NEC CORPORATION	10-23-1998	H04M003/00	Abst.
	B8	JP	11-234279		NEC ENG. LTD.	08-27-1999	HO4L012/28	Abst.
	B9	JР	2001-024703		HITACHI LTD.	01-26-2001	HO4L012/5	Abst.
	B10	JP	2001-142488	1	OKI ELECTRIC IND. CO. LTD.	05-25-2001	G10L015/28	Abst.
7R.K./	B11	JP	2003-283557		NEC INFRONTIA CORP.	10-03-2003	H04L012/56	Abst.

NON PATENT LITERATURE DOCUMENTS							
tritigles Cite item (book, magazine, journal, serial		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T⁰				

Examiner Signature	/Rasheedat Koletowo/	Date Considered	06/06/2007
	_		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). °For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

MODIFIED PTO/SB/08 (08-00)

/Rasheedat Koletowo/

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Unassigned-

071671-0172

number.

Sheet

(use as many sheets as necessary)

of 1

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: November 25, 2003

Complete if Known

Application Number

Huassigned 10/720, 135

Filing Date

11/25/2003

First Named Inventor

Group Art Unit

Unassigned 2609

Examiner Name

Attorney Docket Number

U.S. PATENT DOCUMENTS							
	Cita	U.S. Patent Document			Date of Publication of	Pages, Columns, Lines Where Relevant	
Examiner Initials*	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
/R.K./	A1	6,226,361	B1	KOYAMA	05-01-2001	379/88.07	
	-					<u> </u>	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)		Kind Code ⁵	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [®]	
/R.K./	A2	JP	10-285275		NEC CORP	10-23-1998	H04M003/00	Α	
								·	
									
		1						 	
		1							

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	. το					

	Examiner Signature	/Rasheedat Koletowo/	Date Cons	idered	06/06/2007
•					

^{*}EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁶For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.